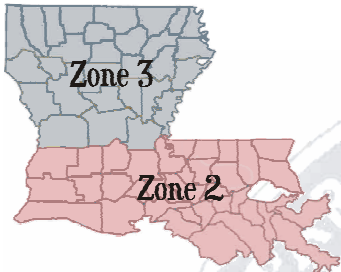


## Checklist for Increasing Energy Efficiency on Existing Homes

Effective January 1, 2007, the state uniform construction code adopted several new national, international & state codes. The applicable code for new residential construction in Louisiana is now the 2006 International Residential Code (IRC). The chart below represents the minimum requirements for the two climate zones in Louisiana. When making renovations to any of the items listed in the chart below, replace these materials with ones that at least meet the minimum values called out in the chart.



Climate Zone	Window U-Factor	Skylight U-Factor	Window & Skylight SHGC	Ceiling R-Value	Wood Frame Wall R-Value
2	0.75	0.75	0.40	R-30	R-13
3	0.65	0.65	0.40	R-30	R-13

*Louisiana Climate Zones*

*Minimum values for the two Louisiana Climate Zones*

### When Installing New HVAC Equipment & Ductwork

- ☐ Have a Manual J or similar Load Calculation performed on the home
- ☐ Install a minimum 13 SEER with variable speed fan
- ☐ Have all ductwork installed with the straightest and shortest runs possible, making sure the ducts are properly supported and secured
- ☐ Have all ductwork sealed using mastic compound over glass-coat membrane (**no duct tape**)
- ☐ Have all ductwork insulated to a minimum R-8
- ☐ Adjust the temperature when leaving the home or use a programmable thermostat
- ☐ If replacing a gas furnace install 90 AFUE, minimum

### When Installing New Water Heating Equipment

- ☐ If replacing gas water heater install 0.62 EF, minimum
- ☐ Consider Solar Water Heater (with current incentives they may cost less than a gas water heater)
- ☐ Consider an Instantaneous Water Heater
- ☐ Use lower temperature setting on water heater (**110° – 120° F**)

- ☐ Install insulation blanket on water heater, leaving space at vents, burners, and controls
- ☐ Insulate hot water piping to a minimum of R-2

### **Windows & Doors**

- ☐ Seal around all doors and have weather stripping and thresholds properly installed
- ☐ If replacing windows install windows with minimum 0.40 SHGC & 0.65 U-Factor
- ☐ If not replacing windows install solar film or solar screening

### **Lighting and Appliances:**

- ☐ Replace incandescent bulbs with Energy Star Compact Fluorescent Lamps (CFLs)
- ☐ Install Motion and Photo (light) Sensors where applicable
- ☐ Use light colors to enhance lighting
- ☐ Install photovoltaic lighting outdoors
- ☐ Purchase only Energy Star appliances
- ☐ Wash clothes on cold settings
- ☐ Use the right size burner for the size of pot (small pot on small burner)
- ☐ Cover pots and pans while cooking
- ☐ Install smart power strips on grouped electronics (i.e. computer/monitor/speakers)
- ☐ Unplug unused devices
- ☐ Replace recessed lights with Air Tight Sealed cans that are IC Rated

### **Sealing and Insulating Tips**

- ☐ If attic door is inside home, install attic tent
- ☐ Keep glass fireplace doors closed, even when burning a fire

### **Renovation Tips**

- ☐ Reflective roof
- ☐ Light-colored exterior paint